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NOTICES FROM THE LICK OBSERVATORY.*

PREPARED BY MEMBERS OF THE STAFF.

A LUNAR LANDSCAPE, PHOTOGRAPHED AT THE LICK
OBSERVATORY.

The original negative from which the Moon-plate (given in the present number of our *Publications*) was made, was taken on December 31, 1897, with an enlarging lens, (magnifying the principal focal image eight diameters), attached to the 36-inch refractor.

The exposure time was from 7^h 58^m 30^s to 7^h 58^m 50^s, P. S. T.

The error in the clock-rate and the motion in declination were counteracted by giving to the plate a single uniform motion by means of a screw turned by hand, the required velocity and direction of motion having first been determined by actual observation of the enlarged focal image.

The scale of the published plate (Moon's diameter = 40 inches) is the same as that of the original negative.

We have satisfactorily enlarged portions of some of our negatives to a scale of sixty feet to the Moon's diameter.

J. M. S. and C. D. P.

THE LICK OBSERVATORY ECLIPSE EXPEDITION.

[Extracts from a letter by Professor W. W. CAMPBELL.]

"The story of the eclipse is too long to tell in a letter. I had to locate in *level country*, in a *famine district*, *water scarce*, *dust plentiful*, the plague on both sides of us. There were no habitable buildings nearer than fifteen miles, so camping was a matter of necessity. The difficulties were great, but I kept my

* Lick Astronomical Department of the University of California.



A LUNAR LANDSCAPE.

(Photographed at the Lick Observatory, Dec. 31, 1897, 7^h 58^m 30^s to 7^h 58^m 50^s, P. S. T.)